

Appendix 1. Description of samples and sample sites—Continued

District: AS, Antelope Springs; AU, Austin; AW, Awakening; BD, Black Diamond; BM, Battle Mountain; BR, Bruner; BT, Bottie; BV, Buena Vista; BW, Beweave; C2, Cortez; EU, Eureka; GC, Gold Circle (Midas); GO, Golconda; GR, Gold Run; HT, Hippo; IND, Independence; IP, Iron Point; IV, Ivanhoe; LM, Low City; MD, Modoc; MH, Moapa; NB, North Battle Mountain; NT, National; OS, Osgood Mountains; RO, Rodeo; RD, Raderd; RW, Rawlinswood; SF, Safford; SM, Swales Mountain; SR, Star 53; Springer Springs; ST, Seven Troughs; STN, Standard mine; TM, Ton Mine; TN, Tenaya; TO, Tonopah; TR, Trinity; TU, Tuscarora; W, Willard; na, not applicable.

Deposit type: BA, batte; EV, epithermal vein; Fe, iron; GV, gold vein; Hg, mercury; PC, porphyry copper; PIR, polymetallic replacement; PVN, polymetallic vein; SHG, sediment-hosted gold; SK, skarn; SX, Sedex (sedimentary exhalative); VMS, volcanogenic massive sulfide; VU, vein uranium; —, not applicable.

Sample description: AR, altered rock; D, mine waste dump; G, gossan; Hg, Hg ore; I, iron; L, limestone; MT, mill tailings; P, pyrite; PMD, small pond in trench or pit; PVN, polymetallic vein; PW, pit take or small pond; PUDW, puddle; SPW, spring water; SW, stream; TPW, tailings ponds; TSW, tailings seep; na, no sample.

Chemical analysis: A, alkalinity; G, gross analysis; Hg, Hg in water; L, leachable solution; W, water; na, no analysis.

Other abbreviations and symbols: W-pH, pH of water; W-cond, conductivity of water; West-d, west longitude in decimal degrees; West-l, west longitude in decimal degrees; cal, calcareous; gn, galena; gm, green; py, pyrite; qtz, quartz; sen, senite; sp, sphalerite; tef, tefrahedral; att, altered; <, less than; >, greater than; —, not applicable.

Site	Date	Div	Deptyp	Samtyp	Chem Analysis	W-pH	W-cond	North-d	West-d	Site desc
NH629	6/18/1997	NT	EV	MDW	3.1	1,430	41,836	117,573	117,573	Mine drainage at collapsed portal, National mine
NH630	6/18/1997	EV	GR	G	--	--	41,836	117,573	117,573	Sulfide-oxide dump, materials from National mine-tunnel
NH631	6/18/1997	NT	EV	G	--	--	41,836	117,573	117,573	Sulfide-oxide dump, materials from National mine-tunnel
NH632	6/18/1997	NT	EV	MDW	7.1	390	41,817Z	117,637	Spring-fed creek, SW of Birthday mine and mill	
NH633	6/18/1997	NT	EV	T	--	--	41,826	117,590	Birthday mill tailings, green	
NH634	6/18/1997	GR	SK	PUDW	8.3	890	40,804	117,493	Ponded water in fairly recent cut into skarn copper zone	
NH635	6/18/1997	GR	PMV	G	--	--	41,827	117,493	Ponded water in fairly recent cut into skarn copper zone	
NH636	6/18/1997	GR	PMV	G	--	--	40,806	117,529	Adelaide Crown upper pit, typical sample of oxide ore	
NH637	6/18/1997	GR	PMV	D	--	--	40,807	117,523	Adelaide Crown heap, crushed oxide ore	
NH638	6/18/1997	GR	PMV	PUDW	8.2	310	40,822	117,525	Ponded water on waste dump, Adelaide Crown	
NH639	6/18/1997	GR	PMV	G	--	--	40,831	117,525	Ponded water on waste dump, Adelaide Crown	
NH640	6/18/1997	GR	SK	SW	8.5	650	40,803	117,493	Gold Run creek east of all mines	
NH641	6/18/1997	GR	SK	D	--	--	40,806	117,491	Adelaide skarn deposit, shaft dump	
NH642	6/18/1997	SM	PMV	D	--	--	40,936	116,034	Swales Mountain dump, rich in jaspilite/limonite	
NH643	6/20/1997	LM	PMV	MT	6.1	350	41,126	116,007	Coon Creek main drain, west of tailings impoundment	
NH645	6/20/1997	LM	PMV	MT	8.4	370	41,126	116,007	Coon Creek main drain, west of tailings impoundment	
NH646	6/20/1997	LM	PMV	T	--	--	41,126	116,005	Ripon Van Winkle mill tailings, largest impoundment, gray	
NH647	6/20/1997	LM	PMV	MT	8.0	280	41,126	116,002	Coon Creek flowing across first tailings impoundment	
NH648	6/20/1997	LM	PMV	T	--	--	41,126	116,002	Coon Creek flowing across first tailings impoundment	
NH649	6/20/1997	LM	PMV	SW	8.6	270	41,126	116,002	Coon Creek flowing across first tailings impoundment	
NH670	6/21/1997	RR	PMV	T	--	--	40,520	115,981	Tenn mill tailings	
NH671	6/21/1997	RR	PMV	D	--	--	40,519	116,007	Mendota mine dump, red gossan material	
NH672	6/21/1997	RR	PMV	AR	--	--	40,516	116,010	Porous red gossan	
NH673	6/21/1997	RR	PMV	G	--	--	40,516	116,010	Porous red gossan	
NH675	6/21/1997	RR	PMV	AR	--	--	40,513	116,014	Vents in porphyry, Cu oxide	
NH678	6/21/1997	RR	SK	D	--	--	40,516	116,014	Delmar mine dump, skarn copper	
NH680	6/21/1997	RR	SK	D	--	--	40,516	116,013	Crushed stockpile, pink rock	
NH682	6/21/1997	RR	SK	G	--	--	40,502	116,214	Dever mine, qtz-oxide ore on lead pad	
NH688	6/21/1997	TM	PMV	MT	--	--	40,1250	116,025	Receast sample (not split), seep from tailings, Rip Van Winkle	
NH689	6/21/1997	TM	PMV	SW	8.6	270	40,1250	116,025	Receast sample (not split), seep from tailings, Rip Van Winkle	
NH700	6/14/1998	TM	PMV	D	--	--	41,016	117,984	Pansy Lee dump at headframe (Junction), very high sulfides	
NH701	6/14/1998	TM	PMV	L	--	--	40,881	117,881	Devonings on south end of Pansy Lee	
NH703	6/14/1998	TM	PMV	T	--	--	40,983	117,863	Fluvial tailings, Pansy Lee, 10-cm ocks on top	
NH704	6/14/1998	TM	PMV	T	--	--	40,968	117,864	Fluvial tailings, Pansy Lee, same color	
NH705	6/14/1998	TM	PMV	MDW	7.0	802	40,656	118,472	Matubia mine, lower tunnel, ponded water, small adit drainage	
NH706	6/14/1998	TM	PMV	D	--	--	40,654	118,472	Creek east of Matubia mine, red gossan material	
NH707	6/14/1998	TM	PMV	D	--	--	40,664	118,473	Matubia mine, low-grade sulfide dump	
NH708	6/14/1998	TM	PMV	MDW	7.6	1,640	40,661	117,471	Seep in fractured scree below upper Cu oxide	
NH709	6/14/1998	TM	PMV	SW	8.4	930	40,657	118,467	Stream south of Matubia mine, high flow, no samples	
NH710	6/14/1998	TM	PMV	MDW	6.2	650	40,671	118,451	Small prospect tunnel, SE end of Matubia Mountain, drainage used for stock	
NH711	6/14/1998	TM	PMV	D	--	--	40,650	118,446	Shatt dump SE of Matubia Mountain, ockes, black, in phyllite, -2 mm typical sample	
NH712	6/14/1998	TM	PMV	SW	7.9	830	40,650	118,446	Shatt dump SE of Matubia Mountain, ockes, black, in phyllite, -2 mm typical sample	
NH713	6/14/1998	TM	PMV	D	--	--	40,766	118,222	Two mill tailings, older Sonniger tungsten mill	
NH714	6/14/1998	AW	GV	T	--	--	41,294	117,902	Devonings on south end of Pansy Lee	
NH715	6/14/1998	AW	GV	T	--	--	40,968	117,864	Fluvial tailings, Pansy Lee, same color	
NH716	6/14/1998	BT	SPW	W, Hg	7.9	890	41,354	118,356	Spring, east side Rodeo district, ponded for stock, any mine input(?)	
NH719	6/17/1998	BT	SPW	W, Hg	7.8	530	41,053	116,053	Jumbo mine, lower tunnel, ponded water, small adit drainage	
NH720	6/17/1998	BT	SPW	W	8.8	2,000	40,628	117,647	Holt spring near Grass Valley road, no samples	
NH721	6/17/1998	BD	VMS	PLW	7.4	2,000	40,543	117,560	Pit lake (small), Big Mike open pit	
NH722	6/17/1998	BD	VMS	D	--	--	40,540	117,564	Big Mike waste dump, altered gneissite, -2 mm typical sample	
NH723	6/17/1998	BD	VMS	SW	7.9	830	40,540	117,564	Big Mike waste dump, altered gneissite, -2 mm typical sample	
NH724	6/17/1998	BD	VMS	D	--	--	40,542	117,567	Big Mike, low-grade sulfide stockpile, typical sample, -2 mm	
NH725	6/17/1998	BD	VMS	TPW	W	3.6	2,000	40,543	117,568	Big Mike, old mill tailings, ponded water
NH726	6/17/1998	BD	VMS	T	--	--	40,543	117,568	Big Mike, mill tailings from early shaft mining, reddish, granular	
NH727	6/17/1998	BD	VMS	D	--	--	40,543	117,568	Big Mike, low-grade oxide-sulfide stockpile, -2 mm	
NH728	6/17/1998	BD	VMS	D	--	--	40,543	117,568	Big Mike, low-grade oxide-sulfide stockpile, -2 mm typical sample	
NH729	6/17/1998	SD	PMV	D	--	--	40,543	117,568	Big Mike, low-grade oxide-sulfide stockpile, -2 mm typical sample	
NH730	6/17/1998	SD	PMV	MT	--	--	40,543	117,568	Big Mike, low-grade oxide-sulfide stockpile, -2 mm typical sample	
NH731	6/17/1998	SD	PMV	SW	8.8	750	40,567	116,257	Stream in Safford district	
NH732	6/17/1998	SD	PMV	W	8.8	2,000	40,567	116,258	Ondanda mine, cuttings green all anodes	
NH733	6/18/1998	SD	PMV	MDW	W	8.3	240	40,546	116,258	Pansy Lee dump, some sulfides in limestone, -2 mm
NH734	6/18/1998	SD	PMV	MDW	W	8.3	240	40,546	Pansy Lee dump, some sulfides in limestone, -2 mm	
NH735	6/18/1998	SD	PMV	MDW	W	8.2	>2,000	40,544	117,567	Deto mine adit, high-flow water, water clear, nothing no precipitate
NH736	6/18/1998	SD	PMV	TPW	W	3.6	2,000	40,543	117,568	Deto mine adit, high-flow water, water clear, nothing no precipitate
NH737	6/18/1998	SD	PMV	TPW	W	8.2	230	40,544	118,141	Star Creek east of mines and mill tailings
NH738	6/18/1998	SD	PMV	D	--	--	40,540	118,148	Ardona mine dump, dark limestone with low sulfide, -2 mm	
NH739	6/18/1998	SD	PMV	D	--	--	40,540	118,148	Ardona mine dump, dark limestone with low sulfide, -2 mm	
NH740	6/									